Allen Academy

Finite Mathematics 2017-2018		
First Trimester Topics:	**Second Trimester Topics:**	**Third Trimester Topics:**
Chapter 1 - Straight Lines and Linear Functions 1.1 - The Cartesian Coordinate System 1.2 - Straight Lines 1.3 - Linear Functions and Mathematical Models 1.4 - Intersection of Straight Lines **Chapter 2 - Systems of Linear Equations and Matrices** 2.1 - Systems of Linear Equations : An Introduction 2.2 - Systems of Linear Equations : Unique Solutions 2.3 - Systems of Linear Equations : Underdetermined and Overdetermined Systems 2.4 - Matrices 2.5 - Multiplication of Matrices 2.6 - The Inverse of a Square Matrix	**Chapter 3 - Linear Programming : A Geometric Approach** 3.1 - Graphing Systems of Linear Inequalities in Two Variables 3.2 - Linear Programming Problems 3.3 - Graphical Solution of Linear Programming Problems **Chapter 5 - Mathematics of Finance** 5.1 - Compound Interest 5.2 - Annuities	**Chapter 6 - Sets and Counting** 6.1 - Sets and Set Operations 6.2 - The Number of Elements in a Finite Set 6.3 - The Multiplication Principle 6.4 - Permutations and Combinations **Chapter 7 - Probability** 7.1 - Experiments, Sample Spaces, and Events 7.2 - Definition of Probability 7.3 - Rules of Probability
Instructional Resources:		
• Textbook: *Finite Mathematics; For the Managerial, Life, and Social Sciences; 11th Edition* by Soo T. Tan		